

Intel Xeon 3106 processor 1.7 GHz 11 MB L3

Brand : Intel

Product family: Xeon

Product code:
CD8067303561900

Product name : 3106



Intel® Xeon® Bronze 3106 Processor
(11M Cache, 1.70 GHz)

Intel Xeon 3106. Processor family: Intel Xeon Bronze, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 768 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Package type: Retail box. Processor package size: 76mm x 56.5mm

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Speed Shift Technology	✓
Processor generation	1st Generation Intel® Xeon® Scalable	Intel® Transactional Synchronization Extensions	✓
Processor model *	3106	Intel VT-x with Extended Page Tables (EPT)	✓
Processor base frequency *	1.7 GHz	Intel TSX-NI	✓
Processor family *	Intel Xeon Bronze	Intel 64	✓
Processor cores *	8	Intel Virtualization Technology (VT-x)	✓
Processor socket *	LGA 3647 (Socket P)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Component for	Server/workstation	Intel TSX-NI version	1.00
Processor lithography *	14 nm	Conflict-Free processor	✓
Processor threads	8	Intel Turbo Boost Max Technology 3.0	✗
Processor operating modes *	64-bit	Intel® Optane™ Memory Ready	✗
Processor cache	11 MB	AVX-512 Fused Multiply-Add (FMA) units	1
Processor cache type	L3	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	85 W	Mode-based Execute Control (MBE)	✓
Box *	✗	Intel® vPro™ Platform Eligibility	✓
Cooler included *	✗	Operational conditions	
Stepping	U0	Tcase	77 °C
Bus type	UPI	Technical details	
Processor codename	Skylake	Launch date	Q3'17
Processor code	SR3GL	Processor cache	11264 KB
Processor ARK ID	123540	Product type	Processor
Memory		Status	Launched
Maximum internal memory supported by processor	768 GB	Maximum memory	768 GB
Memory types supported by processor	DDR4-SDRAM	Processor brand name	Intel Xeon Bronze Intel Xeon Bronze Processor
Memory clock speeds supported by processor	2133 MHz	Supported memory types	DDR4-SDRAM
Memory channels *	Hexa-channel	Last change	63903513
ECC	✓	Product family	Intel Xeon Processors
Graphics		Intel® Speed Shift Technology version	1.00
On-board graphics card *	✗	Intel® Volume Management Device (VMD) version	1.00
Features		Memory speed (max)	2133 MHz
Execute Disable Bit	✓	Mode-based Execute Control (MBE) version	1.00
Market segment	Server	Number of UPI links	2
Maximum number of PCI Express lanes	48	Servicing status	ESU Notification Issued
PCI Express slots version	3.0		
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512		
Scalability	2S		
Embedded options available	✓		

Features		Technical details	
PCI Express CEM revision	3.0	End of servicing updates date	Sunday, December 31, 2023
Export Control Classification Number (ECCN)	5A992C	Logistics data	
Commodity Classification Automated Tracking System (CCATS)	G077159	Harmonized System (HS) code	8542310001
Processor special features		Packaging data	
Intel® Hyper Threading Technology (Intel® HT Technology)	✘	Package type	Retail box
Intel® Turbo Boost Technology	✘	Weight & dimensions	
Intel® AES New Instructions (Intel® AES-NI)	✔	Processor package size	76mm x 56.5mm
Enhanced Intel SpeedStep Technology	✔	Other features	
Intel Trusted Execution Technology	✔	Maximum internal memory	768 GB
		Maximum internal memory	786432 MB



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